



circuit breaker 3VA2 IEC frame 400 breaking capacity class M
Icu=55kA @ 415V 3-pole, motor protection ETU860M, LSIG,
In=250A overload protection Ir=100A...250A short-circuit protection
I_{sd}=1.2..15x I_n, I_i=3..15x I_n gr.-fault prot., can be sw. off I_g=0.2...1 x
I_n, t_g=0.05-0.8s nut keeper kit

Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
Product version	Motor protection
design of the overcurrent release	ETU860M
protection function of the overcurrent release	LSIG
number of poles	3

General technical data	
Tension assignée d'isolement U _i	800 V
Max. rated operational voltage U _e with AC 50/60Hz	690 V
operating power / at AC-3 / at 400 V	110 000 W
power loss [W] / maximum	38 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	13 W
mechanical service life (switching cycles) / typical	20 000
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	6 000
Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz	5 000

Electrical endurance (switching cycles) / at AC-3 / at 380/415 V 50/60 Hz	4 000
Neutral conductors / upgradeable/retrofitable	No
ground fault monitoring version	Summation current formation L-conductor
product function	
• communication function	Yes
• phase failure detection	Yes
• other measurement function	Yes
net weight	4.3 kg

Current

Max. rated operational current of the frame size	400 A
Courant permanent assigné lu	250 A
operating current	
• at 40 °C	250 A
• at 45 °C	250 A
• at 50 °C	250 A
• at 55 °C	250 A
• at 60 °C	250 A
• at 65 °C	250 A
• at 70 °C	250 A

Switching capacity according to IEC 60947

switching capacity class of the circuit breaker	M
maximum short-circuit current breaking capacity (Icu)	
• at 240 V	85 kA
• at 415 V	55 kA
• at 440 V	55 kA
• at 500 V	36 kA
• at 690 V	5 kA
operational short-circuit current breaking capacity (Ics)	
• at 240 V	85 kA
• at 415 V	55 kA
• at 440 V	55 kA
• at 500 V	36 kA
• at 690 V	5 kA
short-circuit current making capacity (Icm)	
• at 240 V	187 kA
• at 415 V	121 kA
• at 440 V	121 kA
• at 500 V	76 kA
• at 690 V	7.5 kA

Adjustable parameters	
Adjustable response value current / lg min.	100 A
Adjustable response value current / lg min.	250 A
Adjustable response value current / lg min.	300 A
Adjustable response value current / lg min.	3 750 A
Short-term delayed / tripping switchable / I2t=ON/OFF	No
Adjustable response value current / lg min.	0.03 s
Adjustable response value current / lg min.	0.03 s
Adjustable response value current / li min.	750 A
Adjustable response value current / li max.	3 750 A
Ground fault protection can be switched ON/OFF	Yes
Ground fault protection / tripping switchable / I2t=ON/OFF	Yes
Adjustable response value current / lg min.	50 A
Adjustable response value current / lg max.	250 A
Adjustable response value current / tg min.	0.05 s
Adjustable response value current / lg min.	0.8 s
Adjustable response value current / for G-tripping / with I2t characteristic / min.	0.2 A
Adjustable response value current / for G-tripping / with I2t characteristic / max.	1 A

Mechanical Design	
height [in]	9.8 in
Height	248 mm
width [in]	5.4 in
Width	138 mm
depth [in]	4.3 in
depth	110 mm

Connections	
arrangement of electrical connectors / for main current circuit	Front terminal
type of electrical connection / for main current circuit	on both sides nut keeper kit
Type of connectable conductor cross-section, connection screw, width x thickness , min.	20 x 1 mm
Type of connectable conductor cross-section, connection screw, width x thickness , max.	35 x 10 mm

Auxiliary circuit	
number of CO contacts / for auxiliary contacts	0

Accessories	
product extension / optional / motor drive	Yes

Environmental conditions	
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protection class IP / on the front	IP40
ambient temperature	
• during operation / minimum	-25 °C
• during operation / maximum	70 °C
• during storage / minimum	-40 °C
• during storage / maximum	80 °C

Certificates

reference code / acc. to DIN EN 81346-2 Q

General Product Approval	EMC	Declaration of Conformity
 CCC	 EAC	 EG-Konf.
 VDE	 RCM	

[Miscellaneous](#)

Test Certificates	Shipping Approval	other
Miscellaneous	Special Test Certificate	Confirmation
	 LRS	Manufacturer Declaration

[CCS / China Classification Society](#)

other

[Miscellaneous](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2325-5MQ32-0AA0>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2325-5MQ32-0AA0>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

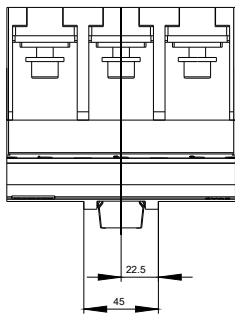
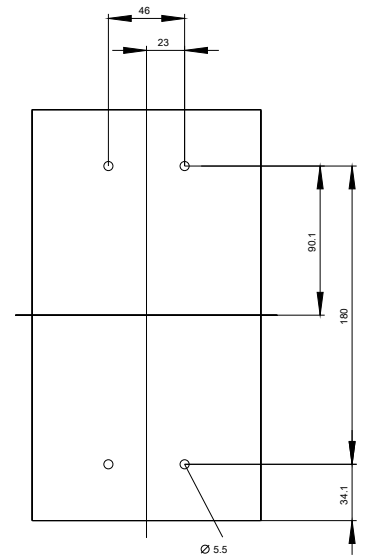
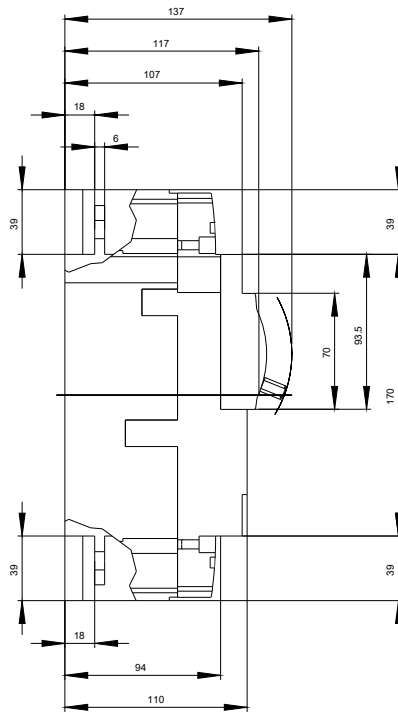
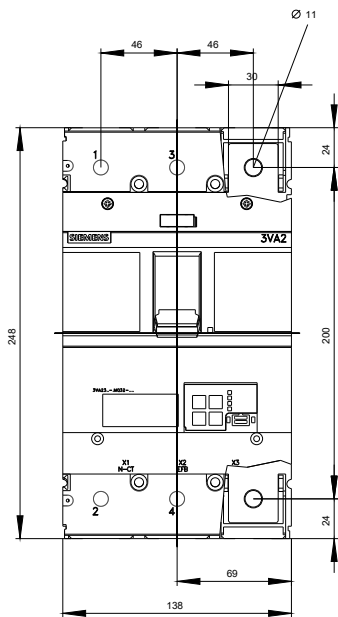
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2325-5MQ32-0AA0

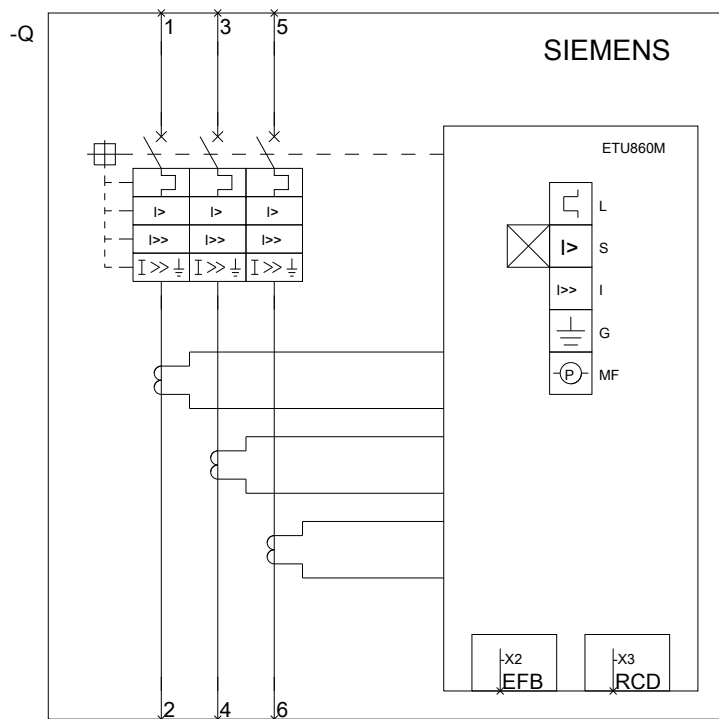
CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>





Siemens

3VA2xxx-xMQ3x-0AA

Format / Size: Hybrid quer

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10/29/2020